

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE  
BUDE-STRATTON URBAN DISTRICT  
FOR THE YEAR ENDING 31st DECEMBER, 1940.

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Natural and Social Conditions of Area.

Area. 4,294 acres.  
Population 5,300 estimated, including Evacuees.  
Number of Inhabited Houses. 1290.  
Rateable Value. £47,851.  
Penny Rate Represents. £194.  
Social Conditions. Area has been full with Government Evacuees, Self Evacuated People and Soldiers.

Vital Statistics.

Total Number of Deaths, 87. Males 44. Females 43. Rate per 1,000., 16.41.  
Total Number of Births, 81. Males 41. Females 40. Rate per 1,000., 15.28  
Illegitimates, 4. Males 4. Females, 0.  
Natural Decrease 6.  
Puerperal Sepsis and Puerperal Causes, Nil.  
Cancer 13.  
Measles, Nil.  
Whooping Cough, Nil.  
Diphtheria, Nil.

General Provision of Health Services.

1. Public Health Officers.
  - (1) Part time Medical Officer of Health.
  - (2) Whole time Sanitary Inspector.
2. Tuberculosis. All cases notified to the County Medical Officer of Health.
3. Maternity and Infant Welfare. Two resident Midwives are working in the District and are both efficient and carry out pre natal work very thoroughly. Childrens Clinic held monthly in Bude. Institution Provision for Maternity Cases at Launceston.
4. Fever Cases. An Isolation Hospital is supported in the District by the Bude-Stratton Urban District Council and the Stratton Rural District Council consisting of 14 Beds and is quite adequate for the District.
5. Small Pox. No local accommodation.
6. Cottage Hospital. Situated in Stratton consisting of 18 Beds supported by Voluntary Subscriptions and payments from patients.
7. Ambulance Facilities. A Motor Ambulance is kept at Bude and is financed jointly by the Bude-Stratton Urban District Council and the Stratton Rural District Council. Patients pay fees according to their capabilities.
8. Clinics and Treatment Centres. Childrens Clinic held in Bude Monthly. Orthopaedic Centres at Launceston and Plymouth.

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9. Professional Nursing in the Homes. Only maternity cases are nursed by the Nursing Association.
10. Midwives. Two resident Midwives in the District.
11. Chemical Work. None locally. Carried out by the County Council.
12. Nursing Homes. One Certificated Nursing Home in Bude.

#### Sanitary Circumstances of the District.

1. Water Supply. An excellent supply from Tamar Lake conveyed to Filter Beds and thence piped over all the area. Analysis is taken at least twice a year and the results are quite satisfactory.
2. Rivers and Streams. No cases of Pollution.
3. Drainage and Sewerage.  
Bude Ward. Sewage is collected and stored in a large tank under the cliff and emptied at times suitable for the tides to take it, a scheme which answers very well.

Stratton Ward. Sewage is collected and passed through a Septic Tank, thence to a stream, satisfactory in every way.

Poughill Ward. The closet accommodation of a portion of the district is not satisfactory, and a new scheme has been prepared but owing to the war no work has been completed.

4. Closet Accommodation. All the houses in the Bude and Stratton Wards with very few exceptions are connected with the main sewerage system. A few outlying houses have either Cesspits or Earth Closets.
5. Scavenging. Undertaken by the Council, and has been well carried out.

#### Housing.

Number of new houses erected during the year :-

- (a) Total number, 6.
- (b) With State assistance under the Housing Acts:-  
By Local Authority, None.  
By other persons, None.

#### 1. Inspection of Dwelling Houses during the year:-

- (1) (a) Total number of houses inspected for housing defects (under Public Health or Housing Acts), 23.  
(b) Number of inspections made for the purpose, 36.
- (2) (a) Number of dwellinghouses (included under sub-head 1 above) which were inspected and recorded under the Housing Consolidated Regulations 1925, 14.  
(b) Number of inspections made for the purpose, 21.
- (3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation, None.
- (4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation, 4.

1. 凡在本行存款，利息均按存款种类及期限计算。

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2. Remedy of Defects during the year without service of Formal Notices :-

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers, All cases.

3. Action under Statutory Powers during the Year :-

(a) Proceedings under Sections 9, 10 and 16, of the Housing Act, 1936 :-

(1) Number of dwelling houses in respect of which notices were served requiring repairs. None.

(2) Number of dwelling houses which were rendered fit after service of formal notices:-

(a) By Owners. None.

(b) By Local Authority in default of Owners. None.

(b) Proceedings under Public Health Acts:-

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied. None.

(2) Number of dwelling houses in which defects were remedied after service of formal notices.

(a) By Owners. None.

(b) By Local Authority in default of Owners. None.

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936 :-

(1) Number of dwelling houses in respect of which Demolition Orders were made. None.

(2) Number of dwelling houses demolished in pursuance of Demolition Orders, None.

(d) Proceedings under Section 12 of the Housing Act, 1936:-

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made, None.

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit, None.

4. Housing Act, 1936. Part IV - Overcrowding.

(a) (1) Number of dwellings overcrowded at the end of the year, 1.

(2) Number of families dwelling therein, 1.

(3) Number of persons dwelling therein, 7.

(b) Number of new cases reported during the year, None.

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is shown that the function  $f(x)$  is continuous and differentiable on the interval  $(-\infty, \infty)$  and that its derivative is given by the formula

$$f'(x) = \frac{1}{1+x^2}$$

Furthermore, it is proved that the function  $f(x)$  is bounded on the interval  $(-\infty, \infty)$  and that its range is the interval  $(0, \pi/2)$ .

2. In the second part of the paper, we consider the function  $g(x)$  defined by the equation

$$g(x) = \int_0^x \frac{t}{1+t^2} dt$$

It is shown that the function  $g(x)$  is continuous and differentiable on the interval  $(-\infty, \infty)$  and that its derivative is given by the formula

$$g'(x) = \frac{x}{1+x^2}$$

Furthermore, it is proved that the function  $g(x)$  is bounded on the interval  $(-\infty, \infty)$  and that its range is the interval  $(-\pi/4, \pi/4)$ .

3. In the third part of the paper, we consider the function  $h(x)$  defined by the equation

$$h(x) = \int_0^x \frac{t^2}{1+t^2} dt$$

It is shown that the function  $h(x)$  is continuous and differentiable on the interval  $(-\infty, \infty)$  and that its derivative is given by the formula

$$h'(x) = \frac{x^2}{1+x^2}$$

Furthermore, it is proved that the function  $h(x)$  is bounded on the interval  $(-\infty, \infty)$  and that its range is the interval  $(0, \pi/2)$ .

- (c) (1) Number of cases of overcrowding relieved during the year, None.
- (2) Number of persons concerned in such cases, None.
- (d) Particulars of any cases in which dwelling houses again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding, None.
- (e) Any other particulars with respect to overcrowding conditions which the Medical Officer of Health may consider it desirable to report, None.

#### Fitness of Houses.

Good. With a few exceptions of old houses occupied by old people who have been living in them for many years, there are no unhealthy areas.

#### Inspection and Supervision of Food.

Carried out by the Sanitary Inspector. There has not been any case of food being taken as unfit for consumption.

Meat. No cases of meat have been condemned. No slaughtering is being carried out in this area and all the slaughter houses are closed.

Bakeries. All well kept and regularly inspected.

Milk. Cowsheds and Dairies regularly inspected. A new milk Distributing Company has been formed in Bude and modern hygienic equipment is being installed and will, when in working order, ensure a supply of good clean milk.

Public Conveniences. A sufficient number are now distributed over the area.

Tuberculosis. New Cases. Respiratory, 4. Males 3. Females 1.

Non Respiratory, 2. Males 1. Females 1.

#### Control of Infectious Diseases.

All cases are reported to the Medical Officer of Health and removed to the Isolation Hospital where necessary.

Notifiable Diseases. Scarlet Fever. 11.

T. A. KING.

M. O. H.

